

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1 1. (currently amended) A stereophonic expansion circuit having ~~(L+R) and (L-R)~~
2 ~~signal paths~~, comprising:
3 means for processing (L+R) and (L-R) ~~stereo~~ signals, and
4 means for providing tonal compensation ~~of~~ for the (L+R) signal by increasing an
5 amplitude of the (L+R) signal in a bass frequency band relative to a mid-range
6 frequency band.
- 1 2. (currently amended) [[A]] The stereophonic expansion circuit of claim 1
2 wherein the tonal compensation ~~of the (L+R) signal is in the bass and/or treble~~
3 ~~frequency bands~~ is further provided by increasing the amplitude of the (L+R) signal in a
4 treble frequency band relative to the mid-range frequency band.
- 1 3. (currently amended) [[A]] The stereophonic expansion circuit of claim 1
2 wherein the ~~(L+R) signal is tonally compensated to reduce the mid-range frequency~~
3 ~~signals~~ (L-R) signal is processed by increasing an amplitude of the (L-R) signal in the
4 mid-range frequency band.
- 1 4. (currently amended) [[A]] The stereophonic expansion circuit of claim 1
2 wherein the (L+R) signal is tonally compensated to be complementary to a frequency
3 curve of the (L-R) signal.
- 1 5. (currently amended) [[A]] The stereophonic expansion circuit of claim 1
2 wherein the tonal compensation can be switched between "ON" and "OFF" modes.

1 6. (currently amended) [[A]] The stereophonic expansion circuit of claim 5
2 wherein stereophonic expansion can be switched between "ON" and "OFF" modes and
3 the tonal compensation is switched "OFF" when ~~stereo~~ the stereophonic expansion is
4 switched "OFF".

1 7. (currently amended) [[A]] The stereophonic expansion circuit of claim 4 5
2 wherein a switchable gain boost is provided ~~in an~~ for the (L+R) signal ~~path~~.

1 8. (currently amended) [[A]] The stereophonic expansion circuit of claim 7
2 wherein the gain boost is switched "OFF" when the tonal compensation is switched
3 "OFF".

1 9. (currently amended) [[A]] The stereophonic expansion circuit of claim 1
2 wherein the tonal compensation ~~of~~ for the (L+R) signal is provided with respect to the
3 (L-R) signal.

1 10. (currently amended) A stereophonic expansion circuit having ~~an~~ (L+R) and
2 (L-R) signal paths including circuitry operative to provide tonal compensation for the
3 (L+R) signal path by increasing an amplitude of an (L+R) signal in a bass frequency
4 band and a treble frequency band relative to a mid-range frequency band, and wherein
5 the tonal compensation of the (L+R) signal path is approximately complementary to the
6 a tonal frequency response of the (L-R) signal path.

1 11. (currently amended) The stereophonic expansion circuit of claim 10 wherein
2 the tonal compensation is switchable between "ON" and "OFF" modes.

1 12. (currently amended) The stereophonic expansion circuit of claim 11 wherein
2 stereophonic expansion is switchable between "ON" and "OFF" modes and the

3 complementary tonal compensation is switched "OFF" when the ~~stereo~~ stereophonic
4 expansion is switched "OFF".

1 13. (currently amended) The stereophonic expansion circuit of claim ~~42~~ 11
2 wherein a ~~switched~~ switchable gain boost is provided in ~~an~~ the (L-R) signal path.

1 14. (original) The stereophonic expansion circuit of claim 13 wherein the gain
2 boost is switched "OFF" when the tonal compensation is switched "OFF".

1 15. (new) A method for providing stereophonic expansion, comprising:
2 generating (L+R) and (L-R) signals, and
3 providing tonal compensation for the (L+R) signal by increasing an amplitude of
4 the (L+R) signal in a treble frequency band relative to a mid-range frequency band.

1 16. (new) The method of claim 15 wherein the tonal compensation is further
2 provided by increasing the amplitude of the (L+R) signal in a bass frequency band
3 relative to the mid-range frequency band.

1 17. (new) The method of claim 15 wherein the tonal compensation is switchable
2 between "ON" and "OFF" modes.

1 18. (new) The method of claim 17 wherein stereophonic expansion is switchable
2 between "ON" and "OFF" modes and the tonal compensation is switched "OFF" when
3 the stereophonic expansion is switched "OFF".

1 19. (new) The method of claim 17 wherein a switchable gain boost is provided to
2 increase an amplitude of the (L-R) signal in the mid-range frequency band.

1 20. (new) The method of claim 19 wherein the gain boost is switched "OFF"
2 when the tonal compensation is switched "OFF".